

## BioBrick FOG Designed to Outperform

A unique solid format product, combining a high bacteria count with slow release technology, to dose bacteria into waste water and effluent handling facilities.

The BioBrick provides a way of continuously dosing high numbers of active waste degrading bacteria into effluent treatment systems.

The BioBrick will gradually dissolve over a four to six week period depending on the application and the effluent flow, and will change the biomass dynamics to solve problems and improve plant performance:

- Prevention of fats, oils and grease build up.
- Enhancement of BOD / COD removal.
- Reduction of odours caused by anaerobic activity, eliminating malodours at source.
- Reduction of build up of solids and sludge.

BioBrick is a trouble free, labour saving and highly cost effective alternative to manual or automatic dosing of liquid or powder products.

The product contains a very high bacteria count specification for maximum effectiveness in this tough environment. BioBrick delivers specifically selected, highly effective multi bacterial strains for production of a wide range of enzymes for organic waste degradation, including lipases to cleave fats, cellulases for fibre and general solids, amylases for starch and proteases for proteins. Bacteria are 100% *Bacillus* strains in spore form for maintenance of original product specification over long shelf life.

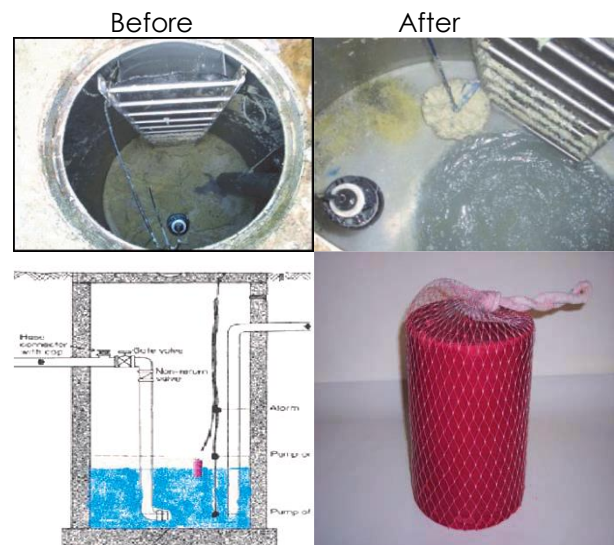
There is no requirement to install a pump or make electrical connections as with liquid products.

Performance is improved over manual product dosing as there are no missed doses, and the release of bacteria is continuous rather than a small number of times per day as with a manual dose.

Easy installation and no requirement for special equipment makes the product very cost effective – both when compared to powder and competitor slow release bacteria.

How to use and typical results:

- 1) Simply suspend the BioBrick into the treatment area, placing the BioBrick just away from the highest flow areas.
- 2) For best results position BioBrick half into water when water level is at the lowest.
- 3) The BioBrick must be in the water at all times, and not allowed to dry out.
- 4) The BioBrick will dissolve as the waste water flows over it. Install new BioBrick every four to six weeks.



Product sizes and dosing information (Given as a guide only)

Flow rate	Product Size
1- 100 m <sup>3</sup> /day	0.5 kg
100-800 m <sup>3</sup> /day	1 kg
725-4,000 m <sup>3</sup> /day	5 kg

0.5kg BioBrick is supplied in 12 bricks per case  
1 and 5kg BioBrick is supplied in 4 bricks per case.

### SPECTRUM ENGINEERING SOLUTIONS.

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